

API No. <u>42-255-33502</u> Drilling Permit # <u>775192</u> SWR Exception Case/Docket No. <u>0286352</u> (R37)		RAILROAD COMMISSION OF TEXAS OIL & GAS DIVISION APPLICATION FOR PERMIT TO DRILL, RECOMPLETE, OR RE-ENTER <i>This facsimile W-1 was generated electronically from data submitted to the RRC.</i> <i>A certification of the automated data is available in the RRC's Austin office.</i>				FORM W-1 07/2004 Permit Status: Approved	
1. RRC Operator No. <u>525398</u>		2. Operator's Name (as shown on form P-5, Organization Report) MARATHON OIL EF LLC			3. Operator Address (include street, city, state, zip):		
4. Lease Name BLACKJACK UNIT E		5. Well No. <u>1H</u>					
GENERAL INFORMATION							
6. Purpose of filing (mark ALL appropriate boxes): ☒ New Drill ☐ Recompletion ☐ Reclass ☐ Field Transfer ☐ Re-Enter ☐ Amended ☐ Amended as Drilled (BHL) (Also File Form W-1D)							
7. Wellbore Profile (mark ALL appropriate boxes): ☐ Vertical ☒ Horizontal (Also File Form W-1H) ☐ Directional (Also File Form W-1D) ☐ Sidetrack							
8. Total Depth <u>18500</u>		9. Do you have the right to develop the minerals under any right-of-way ? ☒ Yes ☐ No		10. Is this well subject to Statewide Rule 36 (hydrogen sulfide area)? ☐ Yes ☒ No			
SURFACE LOCATION AND ACREAGE INFORMATION							
11. RRC District No. <u>02</u>		12. County KARNES		13. Surface Location ☒ Land ☐ Bay/Estuary ☐ Inland Waterway ☐ Offshore			
14. This well is to be located <u>1.2</u> miles in a <u>SW</u> direction from <u>Kenedy</u> which is the nearest town in the county of the well site.							
15. Section	16. Block	17. Survey MARTINEZ, C		18. Abstract No. <u>A-6</u>	19. Distance to nearest lease line: <u>1</u> ft.	20. Number of contiguous acres in lease, pooled unit, or unitized tract: <u>382.13</u>	
21. Lease Perpendiculars: <u>3094</u> ft from the <u>NW</u> line and <u>36514</u> ft from the <u>NE</u> line. 22. Survey Perpendiculars: <u>3094</u> ft from the <u>NW</u> line and <u>36514</u> ft from the <u>NE</u> line.							
23. Is this a pooled unit? ☒ Yes ☐ No		24. Unitization Docket No:		25. Are you applying for Substandard Acreage Field? ☐ Yes (attach Form W-1A) ☒ No			
FIELD INFORMATION List all fields of anticipated completion including Wildcat. List one zone per line.							
26. RRC District No.	27. Field No.	28. Field Name (exactly as shown in RRC records)		29. Well Type	30. Completion Depth	31. Distance to Nearest Well in this Reservoir	
<u>02</u>	<u>86950600</u>	<u>SUGARKANE (EAGLE FORD)</u>		<u>Gas Well</u>	<u>13000</u>	<u>0.00</u>	
BOTTOMHOLE LOCATION INFORMATION is required for DIRECTIONAL, HORIZONTAL, AND AMENDED AS DRILLED PERMIT APPLICATIONS (see W-1H attachment)							
Remarks [RRC STAFF Dec 9, 2013 11:10 AM]: There have been problems identified with this permit (see problem letter attachment). Notification sent.; [RRC STAFF Dec 12, 2013 9:22 AM]: Problems identified with this permit are resolved.; [RRC STAFF Dec 19, 2013 1:43 PM]: There have been problems identified with this permit (see problem letter attachment). Notification sent.; [RRC STAFF Dec 20, 2013 8:45 AM]: Problems identified with this permit are resolved.				Certificate: I certify that information stated in this application is true and complete, to the best of my knowledge. <u>Adele Moreno, Senior Regulatory Rep.</u> <u>Dec 07, 2013</u> Name of filer Date submitted <u>(210)561-4271</u> <u>amoreno@marathonoil.com</u> Phone E-mail Address (OPTIONAL)			
RRC Use Only							
Data Validation Time Stamp: Jan 13, 2014 11:00 AM('As Approved' Version)							

Permit Status: Approved <i>The RRC has not approved this application. Duplication or distribution of information is at the user's own risk.</i>

**RAILROAD COMMISSION OF TEXAS
OIL & GAS DIVISION**

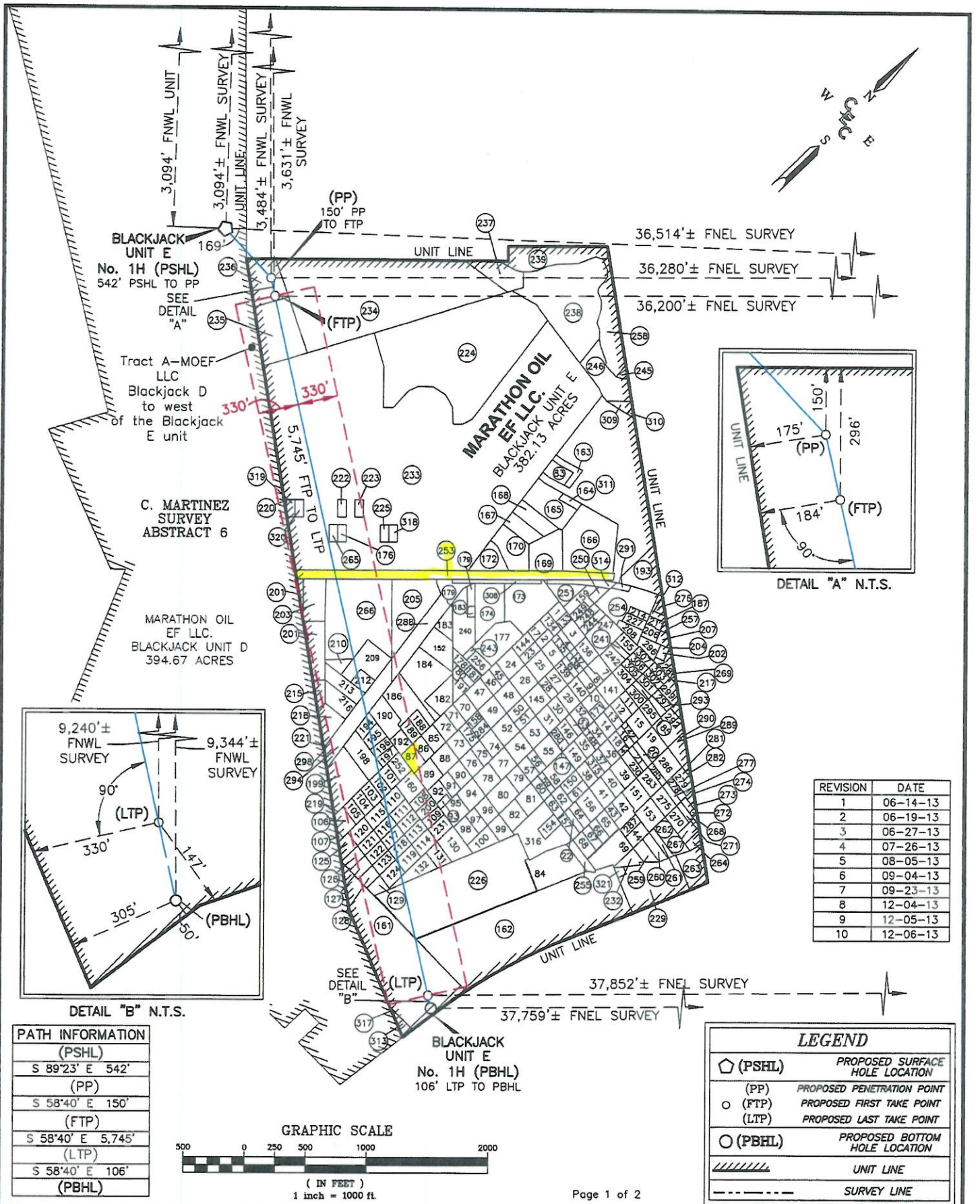
Form W-1H 07/2004
Supplemental Horizontal Well Information

APPLICATION FOR PERMIT TO DRILL, RECOMPLETE, OR RE-ENTER

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Permit #	775192
Approved Date: Jan 13, 2014	

1. RRC Operator No. 525398	2. Operator's Name (exactly as shown on form P-5, Organization Report) MARATHON OIL EF LLC	3. Lease Name BLACKJACK UNIT E	4. Well No. 1H
Lateral Drainhole Location Information			
5. Field as shown on Form W-1 SUGARKANE (EAGLE FORD) (Field # 86950600, RRC District 02)			
6. Section	7. Block	8. Survey MARTINEZ, C	9. Abstract 6
10. County of BHL KARNES			
11. Terminus Lease Line Perpendiculars 50 ft. from the E line. and 305 ft. from the SW line			
12. Terminus Survey Line Perpendiculars 37759 ft. from the NE line. and 9344 ft. from the NW line			
13. Penetration Point Lease Line Perpendiculars 175 ft. from the SW line. and 150 ft. from the NW line			



MARATHON OIL EF LLC.

BLACKJACK UNIT E No. 1H LOCATION
BLACKJACK UNIT E
382.13 ACRES

SITUATED IN THE
C. MARTINEZ SURVEY, ABSTRACT 6
KARNES COUNTY, TEXAS

JOB NO: S0412179

SCALE: 1"=1000'

DRAWN BY: D.C.C.

CHECKED BY: O.N.M.

FIELD DATE: 10-9-13

QUAD: KENEDY

WARNING: THIS PLAT MAY NOT SHOW ALL CROSSINGS OF PIPELINES OR CABLES. USE THE TEXAS ONE CALL SYSTEM BEFORE EXCAVATION ON THIS PROPERTY.

CIVIL ENGINEERING CONSULTANTS
D O N D U R D E N, I N C.
11550 L.H. 10 WEST, SUITE 395
SAN ANTONIO, TEXAS 78230
P) 210.641.9999 F) 210.641.8440
Email: survey@cectexas.com
Engineering No.: F-2214
Surveying No.: 100410-00

CEC

This Plat represents a well location prepared from field work, deeds and other available information. It is the sole purpose of submitting to the Texas Railroad Commission for a drilling permit and is not intended to be a boundary survey. This plat is for the exclusive use of MARATHON OIL EF LLC.

I, RAY INMAN
Surveyor
12-6-13
Date

BLACKJACK UNIT E No. 1H LOCATION

STATE PLANE COORDINATES - TEXAS SOUTH CENTRAL ZONE - NAD 1927
PROPOSED SURFACE LOCATION (PSHL)
N: 358885 E: 2362373 ELEVATION: 287'

GEOGRAPHIC NAD 27: Lat: 28°48'56.02" Long: 97°52'06.07"
GEOGRAPHIC NAD 83: Lat: 28°48'56.95" Long: 97°52'07.07"
UNIT: 3,094' FNWL & 169' FNEL SURVEY: 36,514'± FNEL & 3,094'± FNWL
BEARS: S 81°43' W ~ 1.2 MILES FROM (KENEDY, TEXAS)

PENETRATION POINT (PP)
N: 358879 E: 2362915

GEOGRAPHIC NAD 27: Lat: 28°48'55.90" Long: 97°51'59.98"
GEOGRAPHIC NAD 83: Lat: 28°48'56.83" Long: 97°52'00.98"
UNIT: 175' FSWL & 150' FNWL SURVEY: 36,280'± FNEL & 3,484'± FNWL

FIRST TAKE POINT (FTP)
N: 358801 E: 2363043

GEOGRAPHIC NAD 27: Lat: 28°48'55.12" Long: 97°51'58.55"
GEOGRAPHIC NAD 83: Lat: 28°48'56.05" Long: 97°51'59.55"
UNIT: 184' FSWL & 296' FNWL SURVEY: 36,200'± FNEL & 3,631'± FNWL

LAST TAKE POINT (LTP)
N: 355814 E: 2367951

GEOGRAPHIC NAD 27: Lat: 28°48'25.07" Long: 97°51'03.70"
GEOGRAPHIC NAD 83: Lat: 28°48'26.00" Long: 97°51'04.71"
UNIT: 147' FEL & 330' FSWL SURVEY: 37,852'± FNEL & 9,240'± FNWL

PROPOSED BOTTOM LOCATION (PBHL)
N: 355759 E: 2368042

GEOGRAPHIC NAD 27: Lat: 28°48'24.52" Long: 97°51'02.69"
GEOGRAPHIC NAD 83: Lat: 28°48'25.45" Long: 97°51'03.69"
UNIT: 50' FEL & 305' FSWL SURVEY: 37,759'± FNEL & 9,344'± FNWL

ACREAGE INFORMATION		ACREAGE INFORMATION		ACREAGE INFORMATION		ACREAGE INFORMATION		ACREAGE INFORMATION		ACREAGE INFORMATION	
TRACT No.	ACRES	TRACT No.	ACRES	TRACT No.	ACRES	TRACT No.	ACRES	TRACT No.	ACRES	TRACT No.	ACRES
1	0.30	56	0.31	11	0.41	66	4.58	22	0.01	76	0.25
2	0.27	57	0.43	12	0.41	67	0.85	23	0.22	77	0.22
3	0.52	58	0.95	13	0.41	68	1.03	24	0.22	78	0.27
4	0.21	59	0.21	14	0.54	69	1.75	25	19.50	79	0.48
5	0.49	60	0.33	15	0.53	70	1.63	26	0.22	80	0.21
6	0.21	61	0.33	16	0.41	71	0.24	27	12.63	81	0.07
7	0.46	62	0.41	17	0.41	72	1.0	28	0.34	82	0.04
8	0.26	63	0.32	18	0.41	73	2.95	29	0.42	83	0.58
9	0.31	64	0.37	19	0.54	74	2.13	30	3.80	84	0.31
10	0.46	65	0.46	20	0.54	75	0.35	31	0.39	85	0.22
11	0.31	66	0.34	21	0.41	76	0.22	32	0.50	86	0.78
12	0.41	67	0.33	22	0.41	77	1.84	33	0.42	87	0.31
13	0.31	68	0.46	23	0.41	78	0.34	34	79.00	88	2.60
14	0.43	69	1.43	24	0.54	79	0.27	35	19.93	89	0.52
15	0.62	70	0.53	25	0.43	80	0.35	36	3.60	90	0.05
16	0.25	71	0.41	26	0.41	81	0.23	37	2.15	91	0.15
17	0.32	72	0.54	27	0.38	82	0.95	38	1.47	92	1.03
18	0.29	73	0.60	28	0.35	83	0.67	39	8.1	93	0.16
19	0.85	74	0.54	29	0.36	84	2.52	40	2.82	94	2.42
20	0.24	75	0.41	30	0.98	85	0.20	41	1.68	95	0.64
21	0.24	76	0.54	31	0.52	86	1.80	42	0.19	96	0.44
22	0.24	77	0.74	32	0.80	87	0.01	43	0.54	97	0.29
23	0.33	78	0.74	33	0.22	88	0.39	44	0.11	98	0.02
24	0.74	79	0.54	34	0.36	89	0.39	45	0.37	99	0.48
25	0.74	80	0.95	35	0.25	90	1.09	46	0.14	100	0.35
26	0.74	81	0.74	36	0.51	91	0.39	47	2.10	101	0.31
27	0.43	82	0.74	37	0.20	92	0.45	48	1.22	102	0.27
28	0.31	83	0.58	38	0.20	93	1.66	49	0.35	103	0.29
29	0.54	84	2.43	39	0.33	94	0.40	50	0.26	104	0.45
30	0.41	85	0.54	40	0.43	95	0.48	51	0.25	105	0.29
31	0.54	86	0.41	41	0.76	96	0.35	52	0.75	106	0.29
32	0.54	87	0.53	42	0.20	97	0.33	53	0.54	107	0.29
33	0.21	88	0.74	43	0.10	98	1.29	54	4.15	108	0.50
34	0.33	89	0.74	44	0.42	99	2.28	55	2.05	109	0.27
35	0.41	90	0.54	45	0.74	100	0.37	56	0.43	110	0.06
36	0.43	91	0.41	46	0.41	101	1.74	57	0.45	111	14.03
37	0.31	92	0.40	47	0.12	102	0.19	58	0.08	112	0.15
38	0.43	93	0.14	48	0.21	103	1.44	59	2.73	113	0.29
39	0.63	94	0.74	49	0.54	104	0.02	60	0.44	114	0.52
40	0.48	95	0.74	50	0.41	105	3.45	61	0.42	115	0.31
41	0.63	96	0.54	51	0.74	106	0.32	62	0.30	116	2.29
42	0.67	97	0.42	52	1.24	107	0.22	63	0.91	117	0.01
43	0.24	98	0.55	53	0.80	108	0.43	64	1.33	118	0.22
44	0.44	99	0.55	54	0.41	109	1.59	65	0.26	119	0.22
45	0.33	100	0.64	55	0.39	110	0.36	66	0.22	120	0.22
46	0.41	101	0.41	56	0.75	111	0.22	67	7.50	121	0.13
47	0.73	102	0.41	57	0.38	112	0.46	68	0.43		
48	0.74	103	0.41	58	0.22	113	0.96	69	0.06		
49	0.74	104	0.41	59	0.62	114	0.24	70	0.01		
50	0.41	105	0.41	60	0.74	115	0.44	71	0.51		
51	0.33	106	0.57	61	11.49	116	0.92	72	0.19		
52	0.74	107	0.06	62	17.45	117	0.04	73	0.17		
53	0.74	108	0.36	63	0.44	118	0.92	74	0.04		
54	0.74	109	0.35	64	0.24	119	0.02	75	0.11		
55	0.74	110	0.53	65	2.04	120	0.03	76	0.58		
TOTAL: 25.18		TOTAL: 30.26		TOTAL: 54.97		TOTAL: 49.81		TOTAL: 187.61		GRAND TOTAL: 382.13	

REVISION	DATE
1	06-14-13
2	06-19-13
3	06-27-13
4	07-26-13
5	08-05-13
6	09-04-13
7	09-23-13
8	12-04-13
9	12-05-13
10	12-06-13

THIS PLAT REPRESENTS THE RESULTS OF SURVEY BASED ON THE BEST AVAILABLE EVIDENCE OF OCCUPATION AND IS NOT INTENDED TO BE A BOUNDARY SURVEY.



BLACKJACK UNIT E No. 1H LOCATION

MARATHON OIL EF LLC.

BLACKJACK UNIT E
382.13 ACRES
SITUATED IN THE
C. MARTINEZ SURVEY, ABSTRACT 6
KARNES COUNTY, TEXAS



CIVIL ENGINEERING CONSULTANTS
DON DURDEN, INC.
11550 I.H. 10 WEST, SUITE 385
SAN ANTONIO, TEXAS 78230
P) 210.641.9999
F) 210.641.6440
Email: survey@cectexas.com
Engineering No.: F-2214
Surveying No.: 100410-00

DATE:	04-11-13	DRAWN BY:	R.A.R.	PAGE
JOB NO.:	S0412179	CHECKED BY:	O.N.M.	2 of 2
QUAD MAP:	KENEDY			